

Product datasheet for **RR201165**

Aktip (NM_001011926) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Aktip (NM_001011926) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Aktip
Synonyms: Fts
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR201165 representing NM_001011926
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGAACCCTTTGTGGAGCATGTCTTCGGGCTCCGTTTCGCAAACGAGCTGAAGGTGAAGAGAAGACATTAG
CAGGGGATGTGAAAACAGTCCACGAAGTGCACCTAAAAGCAGCTACCTTCTATCCCAAAAATGC
TCTGCCATATCGAAGCCTACATCACCTGCCCCAGCAGCGCAGTCAACAAATGGCACCCATGCCTCTTAC
GGACCTTCTACCTGGAATATCACTCCTTGCAGAATTCACAATGGTAGTGAAGCAGAAGCTGCCAGGAG
TCTACGTACAGCCATCTTACCGCTCTGCGTTAGTGTGGTTTGGAGTAATTCATACGGCACGGGCTGTA
CCAGGATGGCGTGTCAAGTTTACGGTGTATATCCCTGATAACTACCCAGACGGCGACTGTCCACGCTTG
CTGTTTGATATCCCGTCTTTCACCCGCTAGTTGATCCCACCTCGGGTGAGCTGGATGTGAAAAGAGCAT
TTGCAAAGTGGAGGCGGAACCATAACCATATATGGCAGGTGTTAATGTATGCAAGGAGAGTCTTCTACAA
GATCGACACAACAAGCCCCCTGAACCCAGAGGCCCGCAGTACTGTATGAAAAGACATTAGCTTTTTAAA
AGTAAGGTGGTTGACAGTGTAAAGTCTGCACTGCCCGTCTGTTTGACCAGCCGAAGATAGAGGACCCCT
ATGCCATTAGCTTTTCTCCATGGAACCCCTTCTGTACAGATGAGGCCAGAGAAAAGATGCTGACTCAGAA
AAAGCCTGACGAACAGCAATAAAAAGTTCATGTTGCTGGCCTGTATGGGTAAGCCCTGGCTCAGTG
CAACCTTTCAGTAAAGAAGAGAAAACAGTAGCAACC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR201165 representing NM_001011926
 Red=Cloning site Green=Tags(s)

MNPLWSMSSGSVRKRAEGEEKTLAGDVKTSPPRSAPKKQLPSIPKNALPISKPTSPAPAAQSTNGTHASY
 GPFYLEYLLAEFTMVVKQKLPGVYVQPSYRSALVWFGVIFIRHGLYQDGVFKFTVYIPDNYPDGDCPRL
 LFDIPVFHPLVDPTSGELDVKRAFAKWRRNHNHIWQVLMYARRVFYKIDTTSPLNPEAAVLYEKDIQLFK
 SKVVDSVKVCTARLFDQPKIEDPYAISFSPWNPSVHDEAREKMLTQKKPDEQHNSVHVAGLSWVKPGSV
 QPFSKEEKTAVT

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

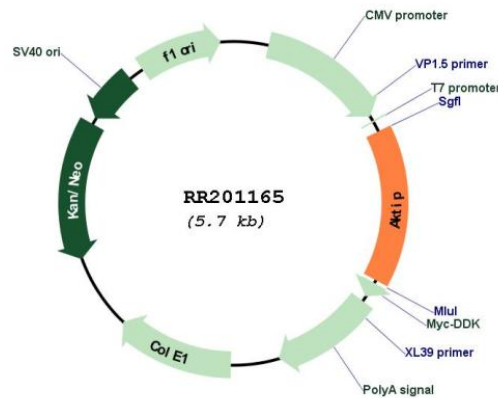
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001011926

ORF Size: 876 bp

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|-------------------------------|---|
| OTI Disclaimer: | The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info |
| OTI Annotation: | This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene. |
| Components: | The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water). |
| Reconstitution Method: | <ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C. |
| RefSeq: | NM_001011926.1 , NP_001011926.1 |
| RefSeq Size: | 1731 bp |
| RefSeq ORF: | 879 bp |
| Locus ID: | 291906 |
| UniProt ID: | Q5FVH4 |
| Cytogenetics: | 19p11 |
| MW: | 33 kDa |
| Gene Summary: | Component of the FTS/Hook/FHIP complex (FHF complex). The FHF complex may function to promote vesicle trafficking and/or fusion via the homotypic vesicular protein sorting complex (the HOPS complex). Regulates apoptosis by enhancing phosphorylation and activation of AKT1. Increases release of TNFSF6 via the AKT1/GSK3B/NFATC1 signaling cascade (By similarity).[UniProtKB/Swiss-Prot Function] |